

ABSTRACT

A TM cylindrical shaped microstrip antenna array which transmits telemetry data and which is adapted for use on weapons systems such as a missile or smart bomb. The microstrip antenna operates at a TM frequency band of 2210 MHz
5 +/- 2.5 MHz. The microstrip antenna is a Linear Polarized microstrip antenna with wrap around capability for a five inch diameter projectile and is constrained to a width of 1.5 inches. The microstrip antenna includes a six aligned copper antenna elements, and a copper etched feed network which
10 provides for transmitted signals which are in phase and have equal amplitudes.